

**The Knowledge Bank at The Ohio State University**  
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# UNTOUCHED!

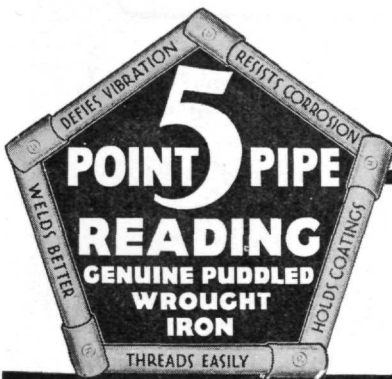
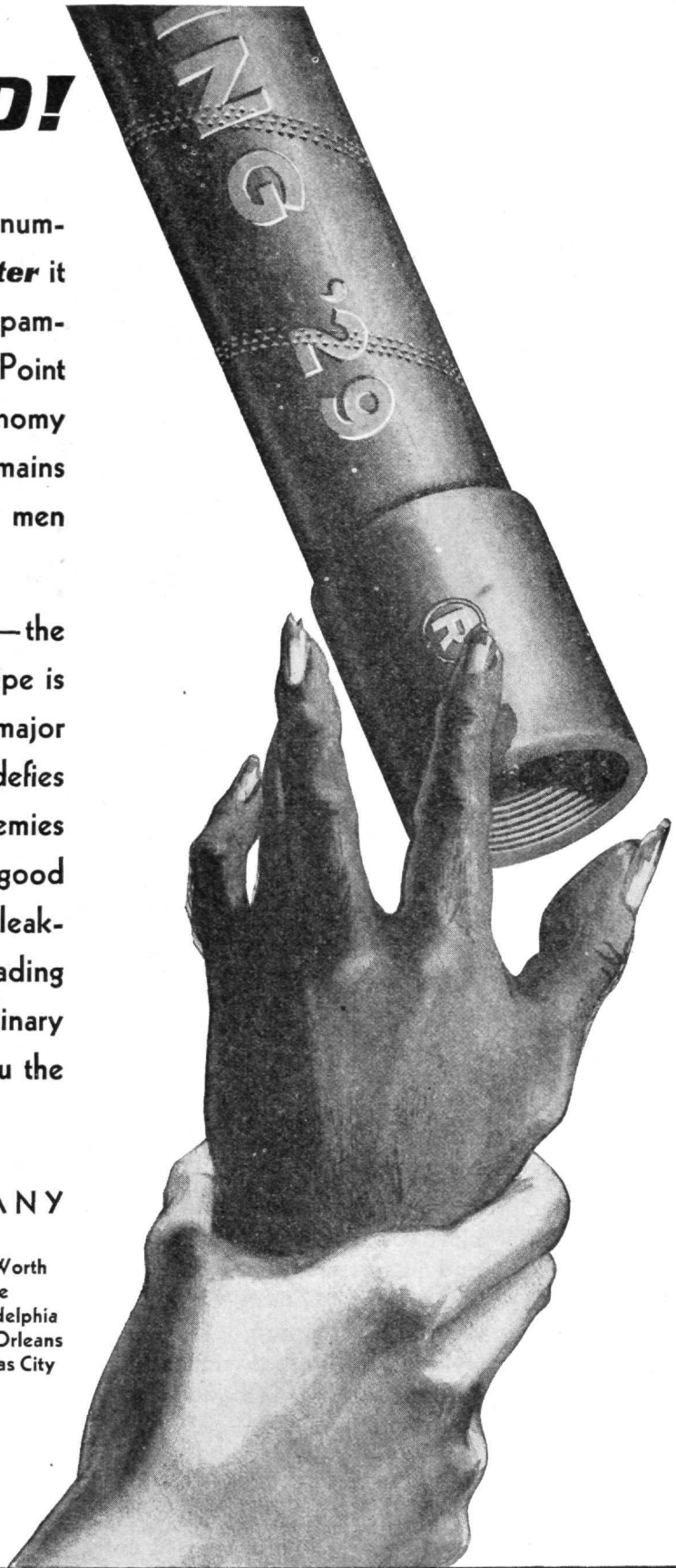
**J**UDGE the true worth of pipe by the number of hands that must touch it *after* it is installed. Pipe that needs constant pampering does not pay out. Reading 5-Point Pipe has established its record of economy on the fact that, once installed, it remains *untouched* by the hands of repair men during a long, long period of service.

Genuine Puddled Wrought Iron—the material of which Reading 5-Point Pipe is made—inherently possesses all of the major qualities that make pipe endure. It defies corrosion and vibration—the chief enemies of pipe vitality. It is famous for its good threading, insuring permanently tight, leak-proof joints. And double welded Reading Pipe costs no more to install than ordinary cheap pipe. We'll be glad to give you the profitable facts—write us today.

## READING IRON COMPANY

Reading, Pennsylvania

Atlanta	Cincinnati	Pittsburgh	Fort Worth
Baltimore	Detroit	Cleveland	Seattle
Boston	Houston	St. Louis	Philadelphia
Buffalo	Los Angeles	Tulsa	New Orleans
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**GENUINE PUDDLED WROUGHT IRON**  
**READING PIPE**  
 DIAMETERS RANGING FROM 1/8 TO 20 INCHES



## WHERE QUALITY IS PARAMOUNT

Oxy-acetylene welding is used for joining fuselage members in the construction of over 85% of the airplanes built in this country. In this service hundreds of thousands of oxwelded joints have proved their dependability and strength under all conditions—in the Tropics—on Polar explorations—on endurance and trans-oceanic flights and for routine commercial flying.

No field of industry makes more exacting demands of quality and performance than the manufacture of aircraft. The modern plane is tested and inspected thoroughly in every stage of its construction. Quality of design, materials and workmanship is paramount. Acceptance of oxy-acetylene welding as standard practice in this new and progressive industry is of outstanding significance.

From time to time the oxy-acetylene industry is in the market for technically trained men. It offers splendid opportunities for advancement.



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*District Sales Manager,*  
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 Crew Committee Member  
 Chi Phi Fraternity



**F. F. STODDARD**  
*Technical Publicity Dept.*  
 Syracuse University 1926  
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 Phi Delta Theta Fraternity

One of a series of advertisements featuring College men serving this industry.

The Linde Air Products Company — The Prest-O-Lite Company, Inc. — Oxweld Acetylene Company — Union Carbide Sales Company — Manufacturers of supplies and equipment for oxy-acetylene welding and cutting—Units of

# UNION CARBIDE AND CARBON CORPORATION

30 East 42nd Street



New York, N. Y.

NOVEMBER, 1929



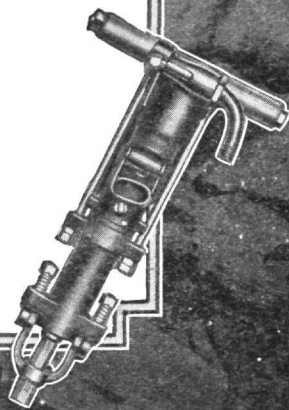
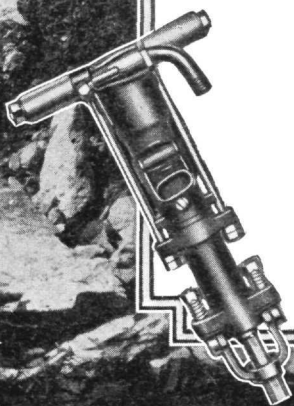
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The world's greatest mining, tunneling, and road-building jobs have depended, to a large extent, upon the air-driven rock drill, one of which is pictured above. Most of these projects would have been impossible without some mechanical agent for the drilling of rock.

Ingersoll-Rand introduced the first practical air drill, and has fostered its development and application for almost 60 years.

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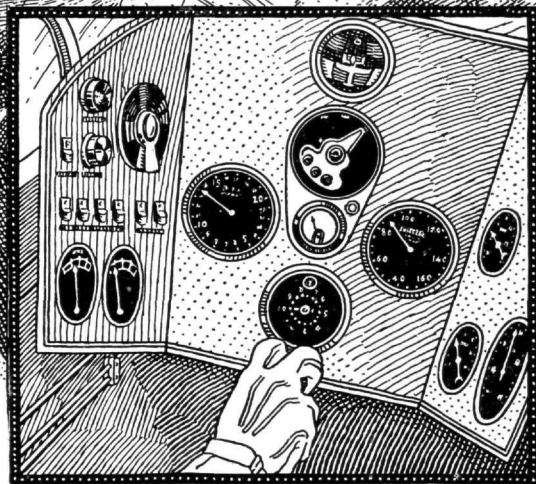


# "Eyes" for blind flying!

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to the conquest of the air*

LINDBERGH, flying blind much of the way, hit Ireland "on the nose" as he winged toward Paris. Now, as an aid to air navigation comes the magneto compass, a product of General Electric research, which gives pilots a navigating instrument of extraordinary accuracy.

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butions to aviation have been developed—the electric gasoline gauge and the radio echo altimeter. The ordinary altimeter shows only height above sea level. The radio echo altimeter warns the pilot of his actual distance above ground or water by flashing green, yellow, and red lights on the instrument board.

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